

Saint Bartholomew School

Sixth Grade Curriculum Guide



Language Arts

Reading (Literature)

- Cite evidence that supports text meaning
- Determine the theme of a text and how it is developed using text details
- Create an unbiased summary
- Describe the development of a plot and character reactions to plot changes
- Determine the meaning of words and phrases
- Determine the connotation of words in a text
- Describe the development of a narrator's point of view over the course of a text
- Distinguish between the effects of reading a story and seeing or hearing it read or performed
- Compare the treatment of similar themes in different literary forms and genres

Reading (Informational Text)

- Cite evidence that supports text meaning
- Determine key details of a text
- Describe the development of key ideas, characters, or events
- Create an unbiased summary
- Determine the meaning of words and phrases
- Determine the connotative and technical meaning of words and phrases used in a text
- Identify an author's point of view
- Integrate information from different media
- Evaluate arguments and evidence
- Compare two authors' presentations of similar events or subjects.

Writing

- Write arguments to support claims with clear reasons and relevant evidence.
- Write informative texts to examine a topic through the selection, organization, and analysis of content.
- Write narratives using effective technique, relevant descriptive details, and well-structured event sequences.
- Produce writing appropriate to task, purpose, and audience.
- Develop and strengthen writing as needed by planning, editing, and revising
- Use technology to produce and publish writing.
- Conduct short research projects, drawing on several sources and generate questions.
- Gather information from multiple sources and quote or paraphrase the data, avoiding plagiarism.
- Draw evidence from texts to support claims.

Speaking & Listening

- Engage effectively in collaborative discussions with diverse partners
- Interpret information presented in different media and explain how it contributes to the topic
- Delineate a speaker's argument and specific claims, determining which are supported by fact
- Clearly present claims and findings, sequencing logically and accentuating main ideas
- Use appropriate eye contact, adequate volume, and clear pronunciation.
- Adapt speech to a variety of contexts and tasks.
- Integrate multimedia and visual displays into presentations to clarify information

Language

- Demonstrate command of English grammar
- Demonstrate command of the conventions of capitalization, punctuation, and spelling.
- Use knowledge of language and its conventions when writing, speaking, reading, or listening.
- Determine or clarify the meaning of unknown and multiple-meaning words or phrases
- Demonstrate understanding of figurative language, word relationships, and nuances.
- Acquire and use accurately grade-appropriate vocabulary.

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Mathematics

Expressions and Equations

- Write and evaluate numerical expressions involving exponents
- Use Order of Operations
- Determine and generate equivalent expressions
- Solve one-variable equations and inequalities
- Analyze relationships between dependent and independent variables

Geometry

- Find the area of a variety of shapes by breaking them down into multiple easier to use shapes
- Solve real-world problems involving area
- Solve real world problems involving volume
- Draw polygons in the coordinate plane given coordinates and vertices

Number System

- Apply and extend previous understanding of dividing and multiplying fractions
- Understand properties of zero and negative numbers in relation to positive numbers
- Position and order rational numbers on number lines and coordinate planes
- Write and interpret statements of order for rational numbers using real-world context

Ratios & Proportional Relationships

- Use ratio language to describe relationships between quantities
- Make tables of equivalent ratios and find missing values
- Plot pairs of values of equivalent ratios
- Find a percent of a quantity and solve problems finding the whole when given percents
- Convert and manipulate measurement units

Statistics and Probability

- Identify a statistical question
- Identify the characteristics of distribution in a data set
- Display data on a number line
- Summarize data, describe overall patterns, and identify deviations in relation to measures of center and variability

Mathematical Practices

- Make sense of problems
- Reason abstractly and quantitatively
- Critique the reasoning of others
- Model with mathematics
- Use tools strategically
- Use precision
- Look for and utilize structure
- Look for and express regularity

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Science

Scientific Practices

- Identify questions that can be answered through scientific investigations
- Design experiments with control groups & variables
- Create data tables and graphs
- Make careful observations and measurements
- Find patterns that support conclusions

Astronomy

- Explain the position of the moon relative to its phases
- Describe Earth's position relative to the sun during different seasons
- Explain gravity's role in a solar system
- Describe and model the planets of our solar system

Earth Science

- Explain the rock and water cycles
- Compare weather and erosion patterns
- Demonstrate cycles in chemical and physical changes in Earth's materials
- Describe non-renewable resources & how they're created
- Explain plate tectonics and how earth moves and changes over time
- Explain the impact of natural hazards and how humans measure and impact them

Physics

- Describe the parts of a wave
- Understand the properties of different kinds of waves (light, radio, etc.)
- Demonstrate the relationships between kinetic energy, mass, and speed
- Conduct experiments that show changes in states of matter and transference of energy
- Explore how forces interact with objects and each other

Biology

- Describe different kinds of cells and how they make up different kinds of organisms
- Describe how plants and animals reproduce
- Explain how energy is obtained and released by living organisms
- Explain how organisms respond to stimuli
- Understand how genetics pass on certain traits

Chemistry

- Describe and identify acids and bases
- Combine chemicals and observe changes
- Model and balance chemical reactions
- Describe the effects of specific chemical reactions
- Define different kinds of atomic bonds
- Model changes of states of matter

Ecosystems and Weather

- Explain how ecosystems and organisms depend on resources
- Define and describe biotic and abiotic factors
- Describe food chains and the food web and how energy is transferred between organisms
- Explain how changes to ecosystems affects populations
- Explain how different cycles (water, nitrogen, etc.) help maintain biodiversity
- Explain how human activity affects ecosystems
- Explain how air masses affect weather
- Identify causes of regional climates
- Identify how human activity affects the climate

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Social Studies

Economics

- Analyze America's free enterprise system
- Describe the purpose of taxation and different kinds of taxes
- Distinguish between different economic models (Market, Command, etc.)
- Define major aspects of a market economy, including competition, production, productivity, etc.
- Define supply and demand and how they help determine the price of goods and services in a market economy
- Describe how producers decide what to make and what incentives they offer to consumers

Government

- Understand the role and importance of a constitution
- Compare current understanding of America's political system to those of other countries
- Explain the role of citizens in choosing elected officials
- Examine maps of voting districts and how district boundaries are created
- Describe America's role as a leader in international affairs
- Describe instances when individuals and groups have fought for rights, equality, and an end to oppression

Geography & Human Migration

- Describe how climate, landforms, and bodies of water affect human activity
- Describe natural processes that shape the Earth
- Describe how natural resources and processes affect settlement patterns
- Describe how social, technological, and other human factors affect settlement patterns

Tools & Research

- Identify examples of primary and secondary sources and compare their value
- Recognize perspective, frame of reference, fact and opinion in historical documents
- Use historical maps to make inferences
- Use latitude and longitude to locate places on a map

World History

- Identify important technologies, systems, and ideas that impacted the development and growth of world cultures
- Identify key events, beliefs, and developments in the history of early African and Middle Eastern civilizations
- Identify key events, beliefs, and developments in the history of the Greek and Roman Empires
- Identify key events, beliefs, and developments in the history of Europe after the fall of the Roman Empire.
- Identify key events, beliefs, and developments in the history of early Asian countries, including China, India, and Japan
- Identify key events, beliefs, and developments in the history of early American civilizations
- Analyze the effects of colonization and imperialism throughout the world at different points in history.

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Religion

Creed

- Show understanding of God's love and forgiveness and of Incarnation
- Recognize original sin as part of human life
- Describe Mary as the virgin Mother of Christ

Sacraments

- Identify the sacraments as being instituted by Christ and entrusted to the Church
- Identify the purpose and important qualities of the Sacraments, especially Matrimony and Holy Orders

Liturgy

- Identify liturgical year, celebrations, and holy days of obligation
- Understand the roles of ordained and non-ordained ministers and lay parishioners

Catholic Church

- Identify the Church as universal and the beginning seed of the kingdom
- Understand the unity of the Church through time and between other faith traditions

Sacred Scripture

- Describe the roles of the Patriarchs, Judges, and other authority figures in the Old Testament
- Describe the history of the Chosen people
- Show familiarity with the Gospel of Matthew

Christian Prayer & Spirituality

- Identify psalms and how they help us pray
- State the role of the Holy Spirit during prayer
- Understand the meaning of being forgiven as we forgive others as stated in the Our Father

Parish Life

- Understand how active involvement in the Church is evident through parish life
- Identify the parish as a community of believers that provides opportunities for stewardship

Vocation

- Show understanding and describe different kinds of vocations
- Identify important aspects of the vocation of priesthood

Ecumenism & Dialogue

- Identify Judaism, Christianity, and Islam as monotheistic religions
- Identify the religious texts and holy days of Judaism
- Identify the religious texts and holy days of Islam

Christian Living

- Define different kinds of sin, moral judgement, and conscience
- Describe the common good, stewardship, and the State's role in upholding just laws
- Describe sexuality in relation to family life and procreation